A LISTING OF THE CLAIMS

(Previously Presented) A baking system including a plate for receiving a
wafer to be baked, a heater for heating the plate, and a cooling apparatus for cooling the plate,
the cooling apparatus comprising:

a heatpipe for cooling the plate using vaporization of a coolant therein, the heatpipe arranged in proximity to the plate with the heater disposed therebetween;

a coolant storage tank for supplying the coolant into the heatpipe when the plate is cooled and for storing the coolant supplied to the heatpipe when the plate is heated; and

a thermostatic element for maintaining an approximately constant temperature of the coolant supplied into the heatpipe when the plate is cooled.

- (Previously Presented) The baking system as claimed in claim 1, wherein the coolant storage tank comprises a coolant flowing element for flowing the coolant into the heatpipe when the plate is cooled.
- 3. (Previously Presented) The baking system as claimed in claim 1, wherein the thermostatic element comprises:

a cooling water storage tank for circulating cooling water through the heatpipe; and a cooling water supply pipeline, which is a path of the cooling water, that extends into the heatpipe and provides flow communication between the heatpipe and the cooling water storage tank.

- 4. (Previously Presented) The baking system as claimed in claim 3, wherein the cooling water supply pipeline has a valve between the cooling water storage tank and the heatpipe.
- 5. (Previously Presented) The baking system as claimed in claim 1, further comprising a coolant supply pipeline for providing flow communication between the coolant storage tank and the heatpipe.
- 6. (Previously Presented) The baking system as claimed in claim 5, wherein the coolant supply pipeline has a valve between the coolant storage tank and the heatpipe.
- 7. (Previously Presented) The baking system as claimed in claim 1, wherein the heatpipe includes a ceiling portion and internal side portions.

8.-9. (Cancelled)

- 10. (Original) The baking system as claimed in claim 2, wherein the coolant flowing element is a heater disposed adjacent to the coolant storage tank.
- 11. (Original) The baking system as claimed in claim 2, wherein the coolant flowing element is a heater integrated with the coolant storage tank in a single body.
- 12. (Previously Presented) The baking system as claimed in claim 7, wherein the heatpipe comprises a wick on the ceiling portion and a wick on the internal side portions of the heatpipe.

- 13. (Previously Presented) The baking system as claimed in claim 12, wherein the wick on the ceiling portion and the wick on the internal side portions of the heatpipe has a linear shape, a spiral shape or a radial shape.
- 14. (Previously Presented) The baking system as claimed in claim 13, wherein the wick on the ceiling portion has a different shape than the wick on the internal side portions of the heatpipe.
- 15. (Original) The baking system as claimed in claim 7, further comprising:

 a wick plate having a plurality of planar wicks installed on the ceiling portion of the heatpipe; and

a wick formed on the internal side portions of the heatpipe to guide the coolant to flow toward the wick plate.

- 16. (Previously Presented) The baking system as claimed in claim 15, wherein the wick formed on the internal side portions of the heatpipe has a linear shape, a spiral shape or a radial shape.
 - 17. (Cancelled)
- 18. (Previously Presented) The baking system as claimed in claim 7, further comprising a wick plate installed on the ceiling portion and a wick plate installed on the internal side portions of the heatpipe.

19.-20. (Cancelled)

21. (Original) The baking system as claimed in claim 1, wherein the coolant is selected from the group consisting of acetone, methanol, water, and distilled water.